# *Interoperability*
# *DoD/VA and Beyond*

Ms. Lois Kellett and Mr. Cliff Freeman

VSO/MSO Information Briefing

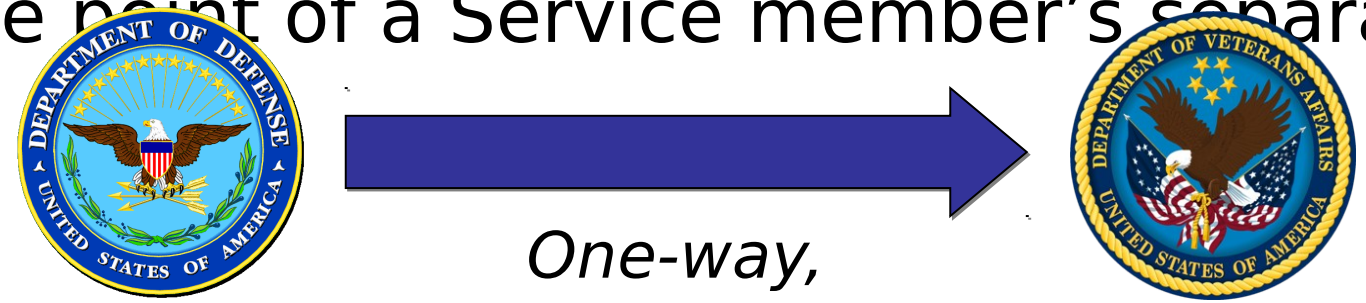
June 19, 2008

# Topics

- Current DoD/VA Health IT Initiatives
- Future DoD/VA Health IT Initiatives
- DoD/VA Interagency Program Office

# Point of Separation

The Federal Health Information Exchange (FHIE) supports the monthly, one-time transfer of historical electronic health information from DoD to VA at the point of a Service member's separation



*One-way, Enterprise exchange, Text data*

# Historical Data

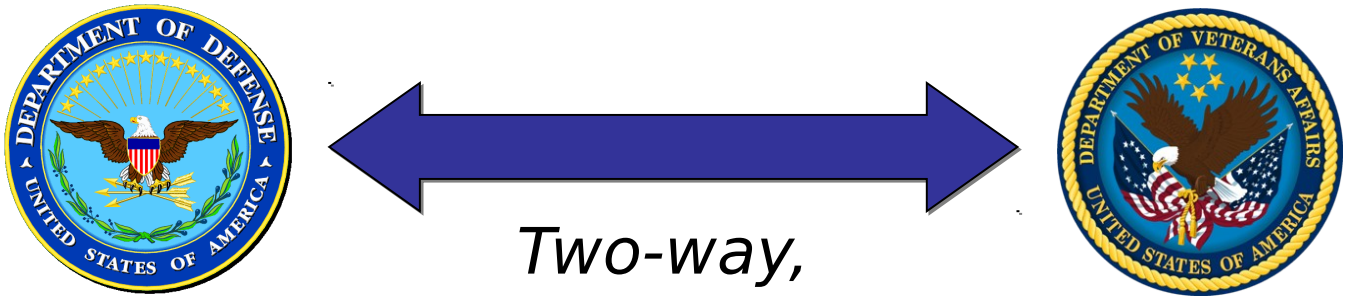
- Lab results
- Radiology reports
- Outpatient Rx data
- Allergy information
- Discharge summaries
- Consult reports
- Admission/Discharge/Transfer information
- Standard Ambulatory Data Record elements
- Demographic data
- Pre-/Post-Deployment Health Assessments
- Post-Deployment Health Reassessments*

- 221 million messages
- On 4.3 million retired or discharged Service members

*Transmitted weekly for individuals referred to VA for care or evaluation

# Shared Patients

The Bidirectional Health Information Exchange (BHIE) enables real-time sharing of readable electronic health information between DoD and VA for shared patients



*Two-way,*
*All DoD and VA sites,*
*Text data*

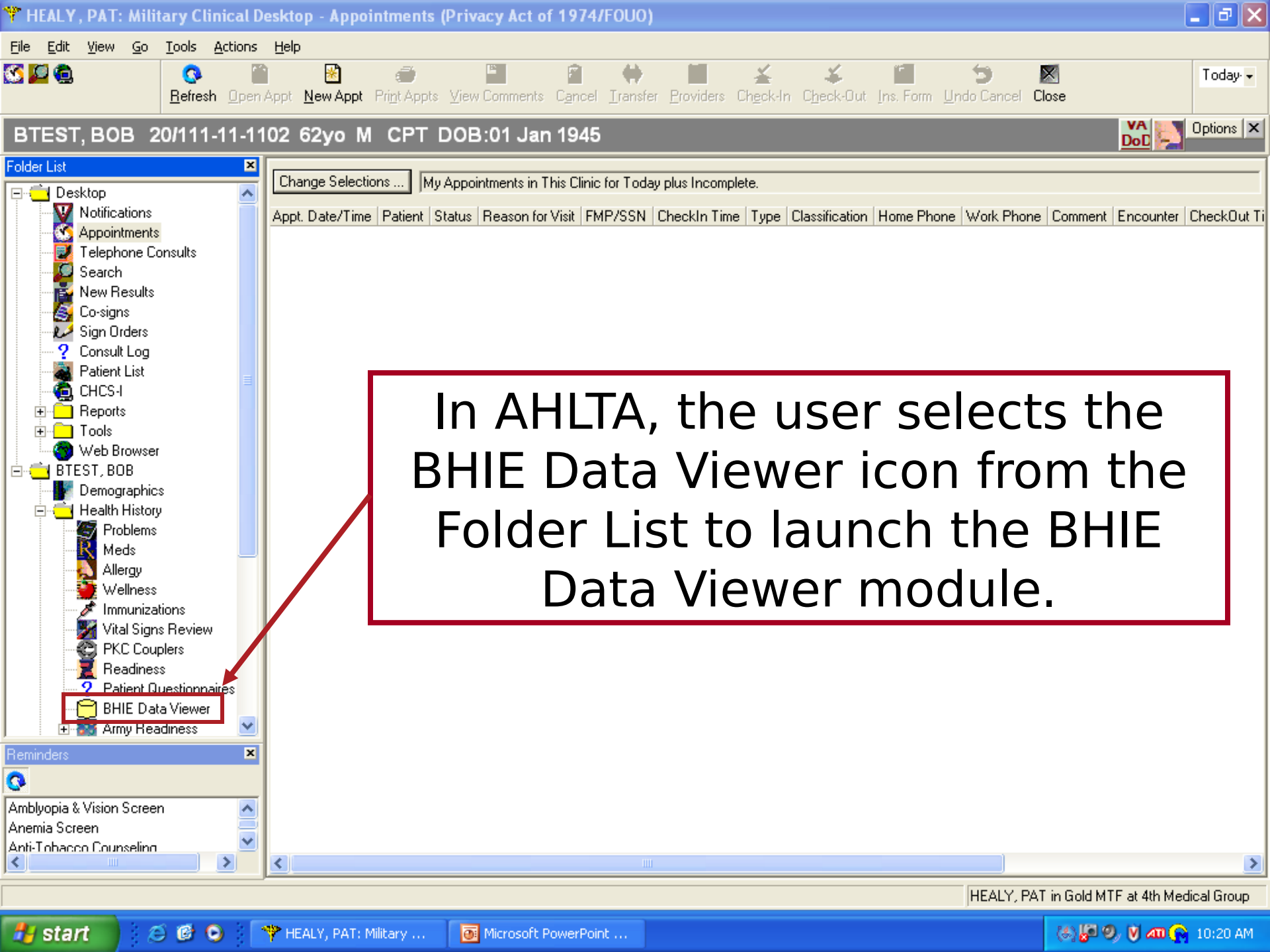
# Shared Data – Current

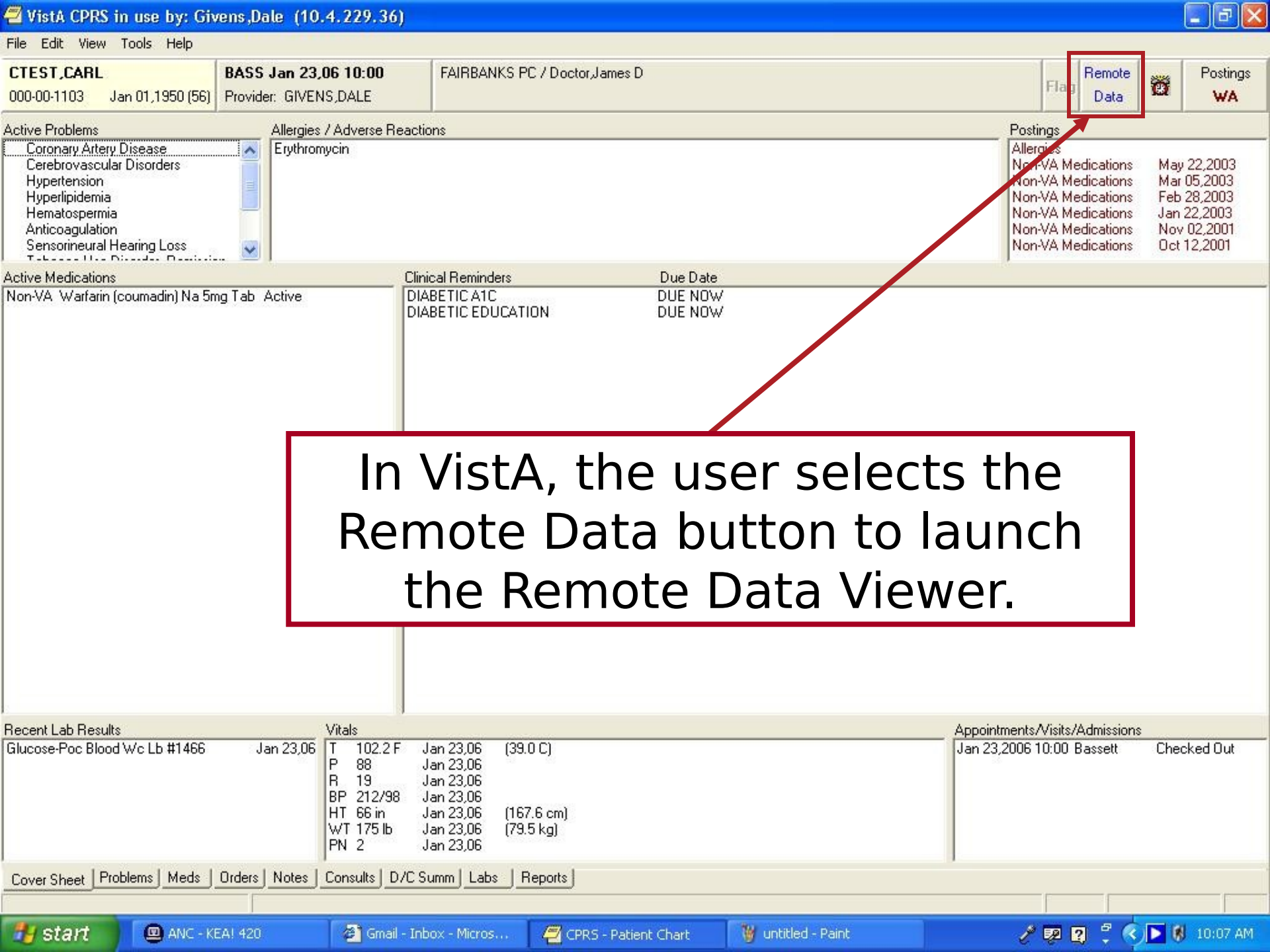
- Allergies
- Outpatient pharmacy
- Demographics
- Inpatient and outpatient lab results
- Radiology reports
- Ambulatory encounter notes
- Procedures
- Problem lists
- Inpatient notes (from DoD Essentris sites)
- Theater clinical data

BHIE supports care for more than 3.0 million patients to date

DoD providers access VA data through AHLTA

VA providers access DoD data through VistA or VistA Web


HEALY, PAT: Military Clinical Desktop - Appointments (Privacy Act of 1974/FOUO)
File Edit View Go Tools Actions Help
Refresh Open Appt New Appt Print Appts View Comments Cancel Transfer Providers Check-In Check-Out Ins. Form Undo Cancel Close
Today
BTEST, BOB 20/111-11-1102 62yo M CPT DOB:01 Jan 1945
Options
Folder List
Desktop
Notifications
Appointments
Telephone Consults
Search
New Results
Co-signs
Sign Orders
Consult Log
Patient List
CHCS-I
Reports
Tools
Web Browser
BTEST, BOB
Demographics
Health History
Problems
Meds
Allergy
Wellness
Immunizations
Vital Signs Review
PKC Couplers
Readiness
Patient Questionnaires
BHIE Data Viewer
Army Readiness
Change Selections ...
My Appointments in This Clinic for Today plus Incomplete.
Appt. Date/Time Patient Status Reason for Visit FMP/SSN CheckIn Time Type Classification Home Phone Work Phone Comment Encounter CheckOut Ti
In AHLTA, the user selects the BHIE Data Viewer icon from the Folder List to launch the BHIE Data Viewer module.
Reminders
Amblyopia & Vision Screen
Anemia Screen
Anti-Tobacco Counseling
HEALY, PAT in Gold MTF at 4th Medical Group
start
HEALY, PAT: Military ...
Microsoft PowerPoint ...
10:20 AM

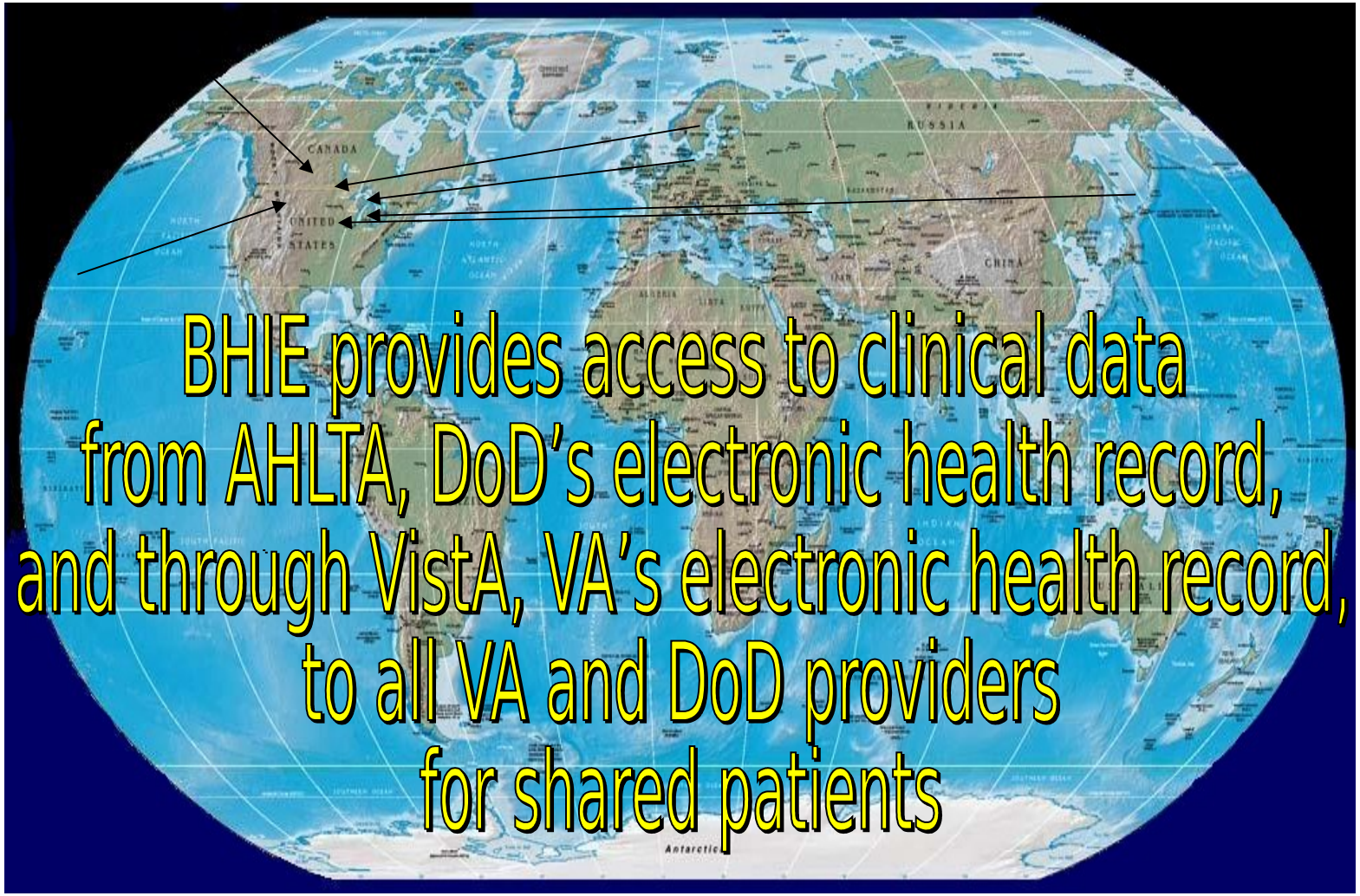

VistA CPRS in use by: Givens,Dale (10.4.229.36)
File Edit View Tools Help
CTEST,CARL
000-00-1103 Jan 01,1950 (56)
BASS Jan 23,06 10:00
Provider: GIVENS,DALE
FAIRBANKS PC / Doctor,James D
Flag
Remote Data
Postings
WA
Active Problems
Coronary Artery Disease
Cerebrovascular Disorders
Hypertension
Hyperlipidemia
Hematospermia
Anticoagulation
Sensorineural Hearing Loss
Allergies / Adverse Reactions
Erythromycin
Postings
Allergies
Non-VA Medications May 22,2003
Non-VA Medications Mar 05,2003
Non-VA Medications Feb 28,2003
Non-VA Medications Jan 22,2003
Non-VA Medications Nov 02,2001
Non-VA Medications Oct 12,2001
Active Medications
Non-VA Warfarin (coumadin) Na 5mg Tab Active
Clinical Reminders
Due Date
DIABETIC A1C DUE NOW
DIABETIC EDUCATION DUE NOW
In VistA, the user selects the Remote Data button to launch the Remote Data Viewer.
Recent Lab Results
Glucose-Poc Blood Wc Lb #1466 Jan 23,06
Vitals
T 102.2 F Jan 23,06 (39.0 C)
P 88 Jan 23,06
R 19 Jan 23,06
BP 212/98 Jan 23,06
HT 66 in Jan 23,06 (167.6 cm)
WT 175 lb Jan 23,06 (79.5 kg)
PN 2 Jan 23,06
Appointments/Visits/Admissions
Jan 23,2006 10:00 Bassett Checked Out
Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports
start
ANC - KEA! 420
Gmail - Inbox - Micros...
CPRS - Patient Chart
untitled - Paint
10:07 AM

# Shared Data – Future

- Vital signs (6/08)
- Family history (9/08)
- Social history (9/08)
- Other history (9/08)
- Questionnaires and forms (9/08)

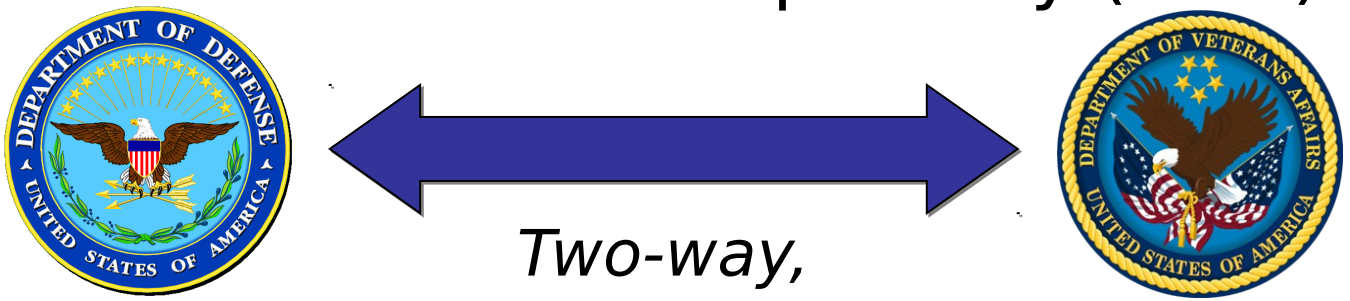
These data elements will be added to BHIE in 2008

# BHIE Worldwide



# Computable Data

The Clinical Data Repository/Health Data Repository (CHDR) supports interoperability between
DoD's Clinical Data Repository (CDR) &
VA's Health Data Repository (HDR)

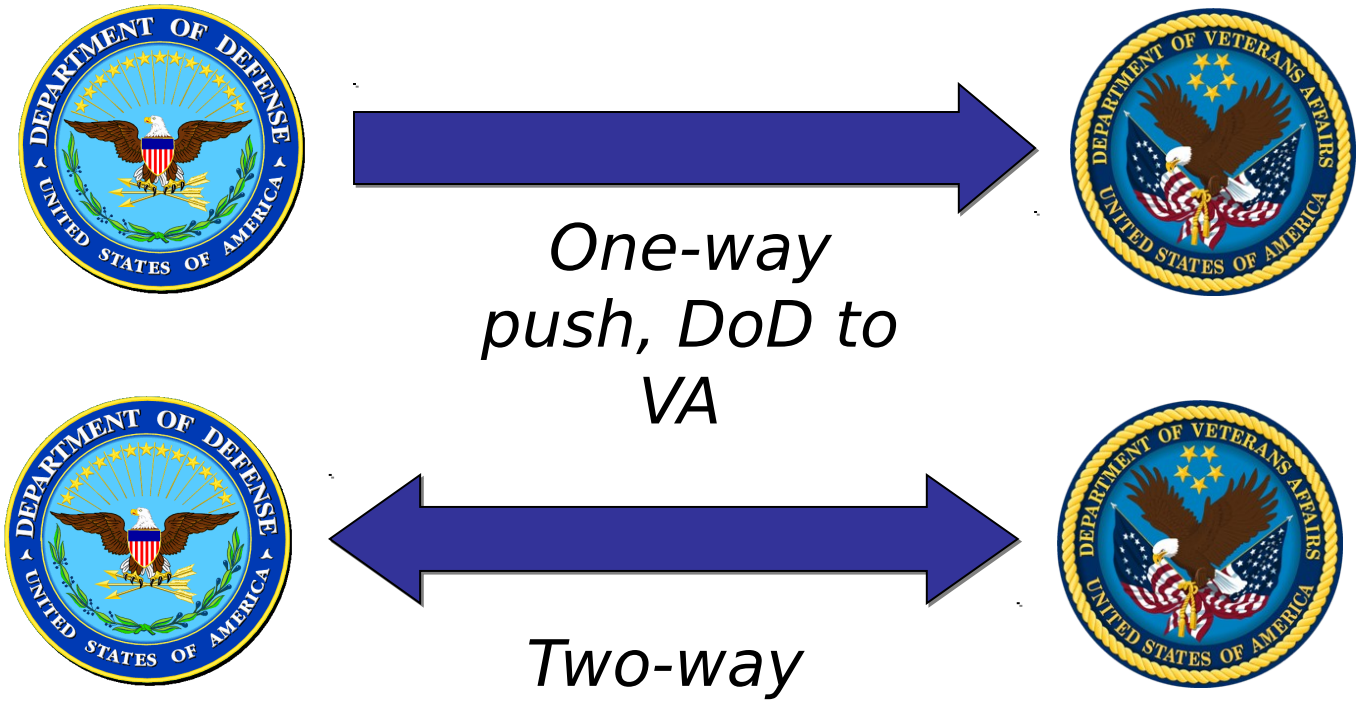


*Two-way,*
*Enterprise exchange,*
*Computable data*

# Computable Data

- Standardized, computable data
  - Outpatient pharmacy data
  - Medication allergies
- Current capability
  - Computable data supports real-time drug-drug and drug- allergy checks using data from both DoD and VA
  - For patients set as active dual consumers (ADCs), data is seen everywhere CHDR is available
  - All DoD sites have the capability to set ADCs
- Future enhancements
  - Laboratory (chemistry and hematology) data

# Image Sharing



# Wounded Warrior Image Transfer

- Digital radiology images and scanned medical records for severely wounded warriors sent from DoD to VA when the decision is made to transfer the patient

Walter Reed Army Medical Center

National Naval Medical Center

Brooke Army Medical Center

Tampa Polytrauma Center

Palo Alto Polytrauma Center

Minneapolis Polytrauma Center

Richmond Polytrauma Center

# Pilot Bidirectional Image Sharing

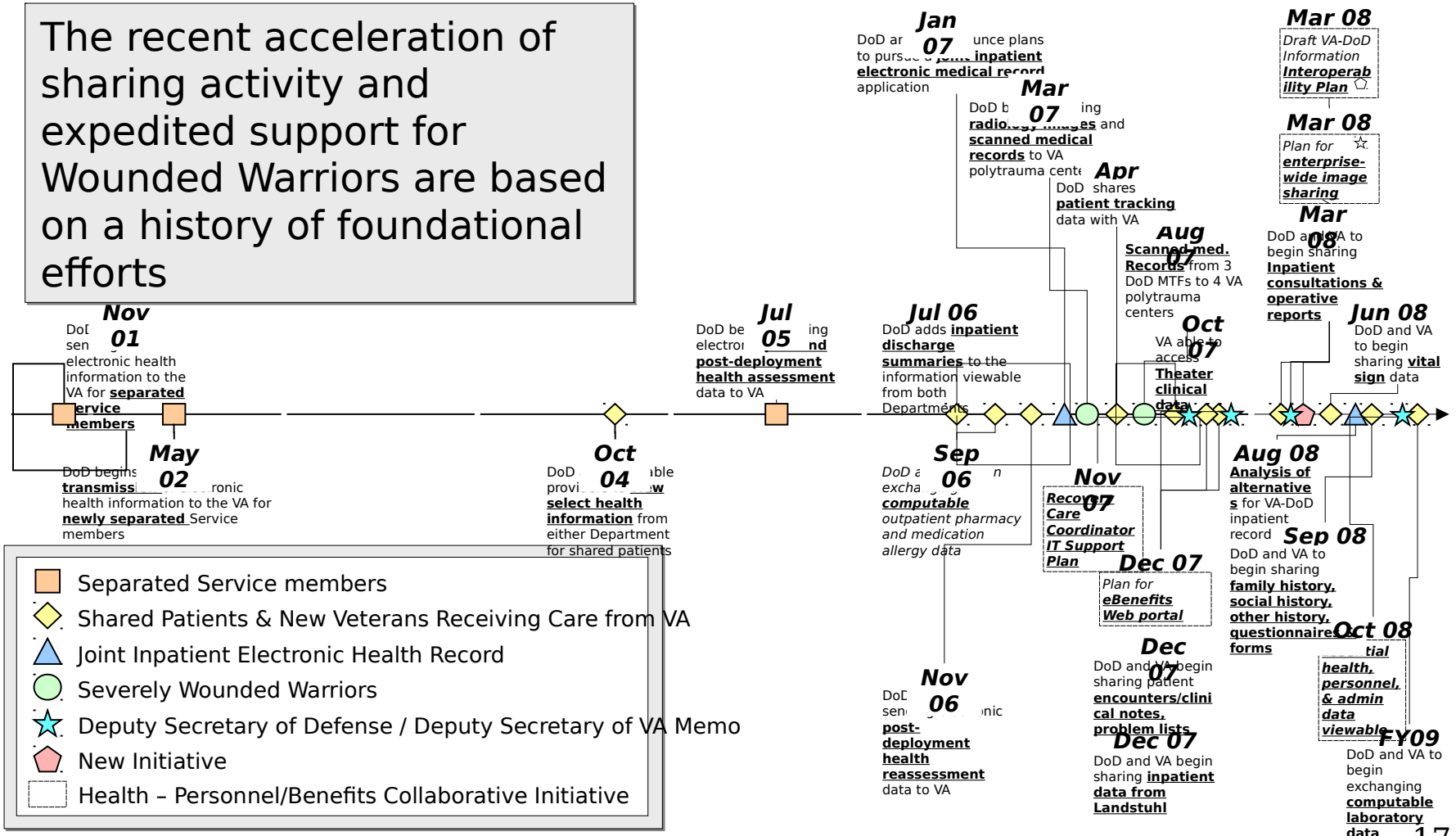
- El Paso NDAA imaging demonstration project
- Leverages and expands existing infrastructure to accommodate images
- Primary focus is for sharing radiology images between DoD and VA facilities in a specified geographic region
- Provides lessons-learned and technology components for enterprise-wide image sharing
- Future activities
  - Add other imaging modalities such as EEGs

# Theater Image Transfer

- Significant image sharing among theater medical facilities is ongoing
- Bandwidth constraints and labor-intensive manual processes impede ease of sharing
- Plan has been submitted to:
  - Provide increased bandwidth
    - Intra-Theater
    - Theater to Landstuhl
  - Automate the linkage of patient demographic information with the image
  - Implement a storage/archive capability for theater images

# Milestones and Plans (Health)

The recent acceleration of sharing activity and expedited support for Wounded Warriors are based on a history of foundational efforts


Nov 01
DoD sen electronic health information to the VA for separated service members
May 02
DoD begins transmiss ronic health information to the VA for newly separated Service members
Oct 04
DoD able provi w select health information from either Department for shared patients
Jul 05
DoD be ing electroi nd post-deployment health assessment data to VA
Jan 07
DoD ar unce plans to purs joint inpatient electronic medical record application
Mar 07
DoD b ing radiology images and scanned medical records to VA polytrauma cent
Apr 07
DoD shares patient tracking data with VA
Jul 06
DoD adds inpatient discharge summaries to the information viewable from both Departments
Sep 06
DoD a n exchan computable outpatient pharmacy and medication allergy data
Nov 06
DoD sen nic post-deployment health reassessment data to VA
Aug 07
Scanned med. Records from 3 DoD MTFs to 4 VA polytrauma centers
Oct 07
VA able to access Theater clinical data
Nov 07
Recovery Care Coordinator IT Support Plan
Dec 07
Plan for eBenefits Web portal
Dec 07
DoD and VA begin sharing patient encounters/clinical notes, problem lists
Dec 07
DoD and VA begin sharing inpatient data from Landstuhl
Mar 08
Draft VA-DoD Information Interoperability Plan
Mar 08
Plan for enterprise-wide image sharing
Mar 08
DoD and VA to begin sharing Inpatient consultations & operative reports
Jun 08
DoD and VA to begin sharing vital sign data
Aug 08
Analysis of alternatives for VA-DoD inpatient record
Sep 08
DoD and VA to begin sharing family history, social history, other history, questionnaires & forms
Oct 08
tial health, personnel, & admin data viewable
FY09
DoD and VA to begin exchanging computable laboratory data
Separated Service members
Shared Patients & New Veterans Receiving Care from VA
Joint Inpatient Electronic Health Record
Severely Wounded Warriors
Deputy Secretary of Defense / Deputy Secretary of VA Memo
New Initiative
Health – Personnel/Benefits Collaborative Initiative

# Future DoD/VA Health IT Initiatives

- Joint Inpatient Electronic Health Records Feasibility Study
  - Similar requirements, unique opportunity
  - Good timing, potentially substantial benefits
- Essentris to additional DoD sites for inpatient
- Joint Clinical Information Board

# DoD/VA Interagency Program Office

- Congressional Requirements
  - Electronic health records interoperability by September 2009
  - DoD / VA Interagency Program Office established
    - DoD Director
    - VA Deputy Director
    - Receive direction from the Secretaries and the VA / DoD Joint Executive Council
  - Report to Congress January 1, 2009, and annually through 2014
- Office established April 2008 with naming of Acting Director and Acting Deputy Director
- Management and oversight role
- Requirements definition and program execution

# Discussion and Questions

Ms. Lois Kellett
Acting Director, DoD/VA Interagency Program Office
703-681-8836
DSN 761-8836
Lois.Kellett@tma.osd.mil

Mr. Cliff Freeman, MA, MS
Acting Deputy Director, DoD/VA Interagency Program Office
(301) 734-0415
Cliff.Freeman@med.va.gov